ELSEVIER

Applied Mathematical Modelling 26 (2002) 1163–1168

APPLIED MATHEMATICAL MODELLING

www.elsevier.com/locate/apm

Author Index to Volume 26

Achim, D., A.K. Easton, M.P. Schwarz, P.J. Witt and A. Zakhari, Tube erosion modelling in a fluidised bed 26 (2002) 191
Akahori, M., see Ratanadecho, P. 26 (2002) 449
Alguine, V., see Cleary, P. 26 (2002) 171
Aoki, K., see Ratanadecho, P. 26 (2002) 449
Attia, H.A., Unsteady MHD flow and heat transfer of dusty fluid between parallel plates with variable physical properties 26 (2002) 863
Austin, P., see Zhang, S.J. 26 (2002) 141

Bae, J., S. Kim and E.Y. Lee, A P_z^M-policy for an $M/G/1$ queueing system 26 (2002) 929
Belyaev, K. and C.A.S. Tanajura, An extension of a data assimilation method based on the application of the Fokker–Planck equation 26 (2002) 1019
Benlemlih, A. and M. El Alami El Ferricha, A mixed finite element method for the arch problem 26 (2002) 17
Bharadwaj, K.K., see Prasad, R.C. 26 (2002) 715
Brown, G.J., Erosion prediction in slurry pipeline tee-junctions 26 (2002) 155
Brunet, M., see Gardin, P. 26 (2002) 323

Carey, K.G., see Witt, P.J. 26 (2002) 297
Chakraborty, S. and P. Dutta, An analytical solution for conduction-dominated unidirectional solidification of binary mixtures 26 (2002) 545
Chang, T.J., see Young, D.L. 26 (2002) 893
Cheikh, M. and A. Loredo, Static reanalysis of discrete elastic structures with reflexive inverse 26 (2002) 877
Chen, C.-N., A derivation and solution of dynamic equilibrium equations of shear undeformable composite anisotropic beams using the DQEM 26 (2002) 833
Cheng, Z., see Mei, C.C. 26 (2002) 727
Chuang, S.-L., see Wang, K.-H. 26 (2002) 1151
Cleary, P., J. Ha, V. Alguine and T. Nguyen, Flow modelling in casting processes 26 (2002) 171
Cleary, P.W. and M.L. Sawley, DEM modelling of industrial granular flows: 3D case studies and the effect of particle shape on hopper discharge 26 (2002) 89
Coda, H.B., see Mesquita, A.D. 26 (2002) 501
Coelho, H., see Santos, A. 26 (2002) 563

Davey, K. and N.J. Rodriguez, Solidification modelling with a control volume method on domains subjected to viscoplastic deformation 26 (2002) 421
Davies, A.M. and P. Hall, Numerical problems associated with coupling hydrodynamic models in shelf edge regions: the surge event of February 1994 26 (2002) 807

PII: S0307-904X(02)00108-7

Demiray, H., A note on the travelling wave solution to the perturbed Burgers' equation 26 (2002) 37
Dey, F., see Kubota, K. 26 (2002) 529
Dogan, A., Numerical solution of RLW equation using linear finite elements within Galerkin's method 26 (2002) 771
Domgin, J.F., see Gardin, P. 26 (2002) 323
Dutta, P., see Chakraborty, S. 26 (2002) 545

Easton, A.K., see Achim, D. 26 (2002) 191
Ebrahimi, M., see Whalley, R. 26 (2002) 665
El Alami El Ferricha, M., see Benlemlih, A. 26 (2002) 17
Eldho, T.I., see Young, D.L. 26 (2002) 893
Evans, G.M., see Lane, G.L. 26 (2002) 223

Fletcher, D.F., see Guo, B. 26 (2002) 1
Florez, W.F. and H. Power, Multi-domain mass conservative dual reciprocity method for the solution of the non-Newtonian Stokes equations 26 (2002) 397
Fofana, M.S., Aspects of stable and unstable machining by Hopf bifurcation 26 (2002) 953
Freitas, C.J., The issue of numerical uncertainty 26 (2002) 237

Garcia, A., see Santos, C.A. 26 (2002) 1077
Gardin, P., M. Brunet, J.F. Domgin and K. Pericleous, An experimental and numerical CFD study of turbulence in a tundish container 26 (2002) 323
Gittler, P., see Pirker, S. 26 (2002) 337
Grasman, J., see Vriezinga, C.A. 26 (2002) 1029
Gómez, M., J. Rodellar and J.A. Mantecón, Predictive control method for decentralized operation of irrigation canals 26 (2002) 1039
Gu, L., see Guo, D.C. 26 (2002) 263
Guinot, V., Modelling using stochastic, finite state cellular automata: rule inference from continuum models 26 (2002) 701
Guo, B., T.A.G. Langrish and D.F. Fletcher, CFD simulation of precession in sudden pipe expansion flows with low inlet swirl 26 (2002) 1
Guo, D.C., L. Gu and G.A. Irons, Developments in modelling of gas injection and slag foaming 26 (2002) 263

Ha, J., see Cleary, P. 26 (2002) 171
Hall, P., see Davies, A.M. 26 (2002) 807
Hayes, C.R., see Van Der Leer, D. 26 (2002) 681
Heemink, A.W., see Schoenmakers, J.G.M. 26 (2002) 785
Huang, Y., see Mariani, A.J. 26 (2002) 377
Hughes, M., see Taylor, G.A. 26 (2002) 309
Huseyin, K., see Zhang, W. 26 (2002) 53

Ierardi, M.C.F., see Santos, C.A. 26 (2002) 1077
Irons, G.A., see Guo, D.C. 26 (2002) 263

Jones, G.R., see Mariani, A.J. 26 (2002) 377

Kahane, R., T. Nguyen and M.P. Schwarz, CFD modelling of thickeners at Worsley Alumina Pty Ltd 26 (2002) 281
Kang, C.C. and C.Y. Lo, An inverse vibration analysis of a tower subjected to wind drags on a shaking ground 26 (2002) 517
Karmeshu, see Prasad, R.C. 26 (2002) 715
Kaushal, D.R., V. Seshadri and S.N. Singh, Prediction of concentration and particle size distribution in the flow of multi-sized particulate slurry through rectangular duct 26 (2002) 941
Kawaguchi, S., see Taniguchi, S. 26 (2002) 249
Kikuchi, A., see Taniguchi, S. 26 (2002) 249
Kim, S., see Bae, J. 26 (2002) 929
Kiranoudis, C.T., see Tarantilis, C.D. 26 (2002) 481
Kirkup, S.M., see Mariani, A.J. 26 (2002) 377
Kirkup, S.M. and M. Wadsworth, Solution of inverse diffusion problems by operator-splitting methods 26 (2002) 1003
Kloeden, P.E., see Schoenmakers, J.G.M. 26 (2002) 785
Knani, J., Dynamic modelling of flexible robotic mechanisms and adaptive robust control of trajectory computer simulation—Part I 26 (2002) 1113
Krishna Kumar, B., S. Pavai Madheswari and A. Vijayakumar, The M/G/1 retrial queue with feedback and starting failures 26 (2002) 1057
Kshevetskii, S. and A. Perelomova, On the theory and numerical simulation of acoustic and heat modes interaction in a liquid with bubbles: acoustic quasi-solitons 26 (2002) 41
Kubota, K., F. Dey, S.A. Matar and E.H. Twizell, A repeated-dose model of percutaneous drug absorption 26 (2002) 529

Lane, G.L., M.P. Schwarz and G.M. Evans, Predicting gas–liquid flow in a mechanically stirred tank 26 (2002) 223
Langrish, T.A.G., see Guo, B. 26 (2002) 1
Lee, E.Y., see Bae, J. 26 (2002) 929
Lehner, J., see Pirker, S. 26 (2002) 337
Leitão, P., see Santos, A. 26 (2002) 563
Li, C.W. and B. Zhu, A sigma coordinate 3D k–ε model for turbulent free surface flow over a submerged structure 26 (2002) 1139
Liovic, P., M. Rudman and J.-L. Liow, Numerical modelling of free surface flows in metallurgical vessels 26 (2002) 113
Liow, J.-L., see Liovic, P. 26 (2002) 113
Liu, Z. and T. Qian, Peakons of the Camassa–Holm equation 26 (2002) 473
Lo, C.Y., see Kang, C.C. 26 (2002) 517
Loredo, A., see Cheikh, M. 26 (2002) 877
Lu, Z., L. Wang and D. Yao, Study on the modeling of timed-token protocol 26 (2002) 797

Mantecón, J.A., see Gómez, M. 26 (2002) 1039
Mariani, A.J., S.M. Kirkup, Y. Huang and G.R. Jones, On coupling electromagnetic fields and lumped circuits with TLM 26 (2002) 377
Markatos, N.C., see Tarantilis, C.D. 26 (2002) 481
Martins, H., see Santos, A. 26 (2002) 563
Matar, S.A., see Kubota, K. 26 (2002) 529
Mei, C.C., Z. Cheng and C.-O. Ng, A model for flow induced by steady air venting and air sparging 26 (2002) 727

Mesquita, A.D. and H.B. Coda, Alternative Kelvin viscoelastic procedure for finite elements 26 (2002) 501
Moura Neto, F.D., see Wang, J. 26 (2002) 1093

Neves, R., see Santos, A. 26 (2002) 563
Ng, C.-O., see Mei, C.C. 26 (2002) 727
Nguyen, T., see Cleary, P. 26 (2002) 171
Nguyen, T., see Kahane, R. 26 (2002) 281
Nguyen, T.V., see Witt, P.J. 26 (2002) 297

O'Kane, J.P., see Regnier, P. 26 (2002) 913
Ostrovski, O., see Panjkovic, V. 26 (2002) 203

Panjkovic, V., J. Truelove and O. Ostrovski, Analysis of performance of an iron-bath reactor using computational fluid dynamics 26 (2002) 203
Pantelis, G., A.I.M. Ritchie and Y.A. Stepanyants, A conceptual model for the description of oxidation and transport processes in sulphidic waste rock dumps 26 (2002) 751
Papachristos, S., see Skouri, K. 26 (2002) 603
Pavai Madheswari, S., see Krishna Kumar, B. 26 (2002) 1057
Pearn, W.-L., see Wang, K.-H. 26 (2002) 1151
Perelomova, A., see Kshevetskii, S. 26 (2002) 41
Periáñez, R., Modelling the suspended matter dynamics in a marine environment using a three dimensional σ coordinate model: application to the eastern Irish Sea 26 (2002) 583
Pericleous, K., see Gardin, P. 26 (2002) 323
Pericleous, K., see Taylor, G.A. 26 (2002) 309
Pirker, H., see Pirker, S. 26 (2002) 337
Pirker, S., P. Gittler, H. Pirker and J. Lehner, CFD, a design tool for a new hot metal desulfurization technology 26 (2002) 337
Ponnambalam, K., see Schoenmakers, J.G.M. 26 (2002) 785
Power, H., see Florez, W.F. 26 (2002) 397
Prasad, R.C., Karmeshu and K.K. Bharadwaj, Stochastic modeling of heat exchanger response to data uncertainties 26 (2002) 715

Qian, T., see Liu, Z. 26 (2002) 473
Quintanilla, R., Thermoelasticity without energy dissipation of materials with microstructure 26 (2002) 1125
Ratanadecho, P., K. Aoki and M. Akahori, A numerical and experimental investigation of the modeling of microwave heating for liquid layers using a rectangular wave guide (effects of natural convection and dielectric properties) 26 (2002) 449
Regnier, P., J.P. O'Kane, C.I. Steefel and J.P. Vanderborght, Modeling complex multicomponent reactive-transport systems: towards a simulation environment based on the concept of a Knowledge Base 26 (2002) 913
Ritchie, A.I.M., see Pantelis, G. 26 (2002) 751
Rodellar, J., see Gómez, M. 26 (2002) 1039
Rodriguez, N.J., see Davey, K. 26 (2002) 421
Roy, I.G., A robust descent type algorithm for geophysical inversion through adaptive regularization 26 (2002) 619
Rudman, M., see Liovic, P. 26 (2002) 113

Sánchez-Pedreño, S., see Vriezinga, C.A. 26 (2002) 1029
Santos, A., H. Martins, H. Coelho, P. Leitão and R. Neves, A circulation model for the European ocean margin 26 (2002) 563
Santos, C.A., J.A. Spim Jr., M.C.F. Ierardi and A. Garcia, The use of artificial intelligence technique for the optimisation of process parameters used in the continuous casting of steel 26 (2002) 1077
Sawley, M.L., see Cleary, P.W. 26 (2002) 89
Schoenmakers, J.G.M., A.W. Heemink, K. Ponnambalam and P.E. Kloeden, Variance reduction for Monte Carlo simulation of stochastic environmental models 26 (2002) 785
Schwarz, M.P., see Achim, D. 26 (2002) 191
Schwarz, M.P., see Kahane, R. 26 (2002) 281
Schwarz, M.P., see Lane, G.L. 26 (2002) 223
Seatzu, C. and G. Usai, A decentralized volume variations observer for open channels 26 (2002) 975
Seshadri, V., see Kaushal, D.R. 26 (2002) 941
Sharp, R.J., see Van Der Leer, D. 26 (2002) 681
Silva Neto, A.J., see Wang, J. 26 (2002) 1093
Singh, S.N., see Kaushal, D.R. 26 (2002) 941
Skouri, K. and S. Papachristos, A continuous review inventory model, with deteriorating items, time-varying demand, linear replenishment cost, partially time-varying backlogging 26 (2002) 603
Spim Jr., J.A., see Santos, C.A. 26 (2002) 1077
Steefel, C.I., see Regnier, P. 26 (2002) 913
Stepanyants, Y.A., see Pantelis, G. 26 (2002) 751
Stopford, P.J., Recent applications of CFD modelling in the power generation and combustion industries 26 (2002) 351
Strusevich, N., see Taylor, G.A. 26 (2002) 309
Su, J., see Wang, J. 26 (2002) 1093
Sun, L., Optimum design of "road-friendly" vehicle suspension systems subjected to rough pavement surfaces 26 (2002) 635

Tanajura, C.A.S., see Belyaev, K. 26 (2002) 1019
Taniguchi, S., S. Kawaguchi and A. Kikuchi, Fluid flow and gas–liquid mass transfer in gas-injected vessels 26 (2002) 249
Tarantilis, C.D., C.T. Kiranoudis and N.C. Markatos, Use of the BATA algorithm and MIS to solve the mail carrier problem 26 (2002) 481
Taylor, G.A., M. Hughes, N. Strusevich and K. Pericleous, Finite volume methods applied to the computational modelling of welding phenomena 26 (2002) 309
Truelove, J., see Panjkovic, V. 26 (2002) 203
Tsitourass, Ch., Explicit Runge–Kutta pairs appropriate for engineering applications 26 (2002) 77
Tupholme, G.E., Hexagonal piezoelectric half-space containing a crack 26 (2002) 653
Twizell, E.H., see Kubota, K. 26 (2002) 529

Usai, G., see Seatzu, C. 26 (2002) 975

Vanderborght, J.P., see Regnier, P. 26 (2002) 913
Van Der Leer, D., N.P. Weatherill, R.J. Sharp and C.R. Hayes, Modelling the diffusion of lead into drinking water 26 (2002) 681
Vijayakumar, A., see Krishna Kumar, B. 26 (2002) 1057

Vriezinga, C.A., S. Sánchez-Pedreño and J. Grasman, Thermal runaway in microwave heating: a mathematical analysis 26 (2002) 1029

Wadsworth, M., see Kirkup, S.M. 26 (2002) 1003
Wang, J., A.J. Silva Neto, F.D. Moura Neto and J. Su, Function estimation with Alifanov's iterative regularization method in linear and nonlinear heat conduction problems 26 (2002) 1093
Wang, K.-H., S.-L. Chuang and W.-L. Pearn, Maximum entropy analysis to the *N* policy M/G/1 queueing system with a removable server 26 (2002) 1151
Wang, L., see Lu, Z. 26 (2002) 797
Weatherill, N.P., see Van Der Leer, D. 26 (2002) 681
Whalley, R. and M. Ebrahimi, Optimum control of a paper making machine headbox 26 (2002) 665
Witt, P.J., see Achim, D. 26 (2002) 191
Witt, P.J., K.G. Carey and T.V. Nguyen, Prediction of dust loss from conveyors using computational fluid dynamics modelling 26 (2002) 297
Wright, B., see Zhang, S.J. 26 (2002) 141

Yao, D., see Lu, Z. 26 (2002) 797
Young, D.L., T.J. Chang and T.I. Eldho, The Riemann complex boundary element method for the solutions of two-dimensional elliptic equations 26 (2002) 893
Yu, A.B., see Zhang, S.J. 26 (2002) 141

Zakhari, A., see Achim, D. 26 (2002) 191
Zhang, S.J., A.B. Yu, P. Zulli, B. Wright and P. Austin, Numerical simulation of solids flow in a blast furnace 26 (2002) 141
Zhang, W. and K. Huseyin, Complex formulation of the IHB technique and its comparison with other methods 26 (2002) 53
Zhu, B., see Li, C.W. 26 (2002) 1139
Zulli, P., see Zhang, S.J. 26 (2002) 141

ELSEVIER

Applied Mathematical Modelling 26 (2002) 1169–1190

APPLIED MATHEMATICAL MODELLING

www.elsevier.com/locate/apm

Subject Index to Volume 26

Adjoint problem

Function estimation with Alifanov's iterative regularization method in linear and nonlinear heat conduction problems, J. Wang, A.J. Silva Neto, F.D. Moura Neto and J. Su 26 (2002) 1093

Affine microstructure

Thermoelasticity without energy dissipation of materials with microstructure, R. Quintanilla 26 (2002) 1125

Air sparging

A model for flow induced by steady air venting and air sparging, C.C. Mei, Z. Cheng and C.-O. Ng 26 (2002) 727

Air venting

A model for flow induced by steady air venting and air sparging, C.C. Mei, Z. Cheng and C.-O. Ng 26 (2002) 727

Anisotropic beam

A derivation and solution of dynamic equilibrium equations of shear undeformable composite anisotropic beams using the DQEM, C.-N. Chen 26 (2002) 833

Antiplane loaded crack

Hexagonal piezoelectric half-space containing a crack, G.E. Tupholme 26 (2002) 653

Asymptotic state observer

A decentralized volume variations observer for open channels, C. Seatzu and G. Usai 26 (2002) 975

Automated differentiation

Modeling complex multi-component reactive-transport systems: towards a simulation environment based on the concept of a Knowledge Base, P. Regnier, J.P. O'Kane, C.I. Steefel and J.P. Vanderborght 26 (2002) 913

Automatic control

Predictive control method for decentralized operation of irrigation canals, M. Gómez, J. Rodellary and J.A. Mantecón 26 (2002) 1039

PII: S307-904X(02)00109-9

Averaging methods

Complex formulation of the IHB technique and its comparison with other methods, W. Zhang and K. Huseyin 26 (2002) 53

Binary alloy

An analytical solution for conduction-dominated unidirectional solidification of binary mixtures, S. Chakraborty and P. Dutta 26 (2002) 545

Bio-availability

A repeated-dose model of percutaneous drug absorption, K. Kubota, F. Dey, S.A. Matar and E.H. Twizell 26 (2002) 529

Biogeochemistry

Modeling complex multi-component reactive-transport systems: towards a simulation environment based on the concept of a Knowledge Base, P. Regnier, J.P. O'Kane, C.I. Steefel and J.P. Vanderborght 26 (2002) 913

Bistability

Thermal runaway in microwave heating: a mathematical analysis, C.A. Vriezinga, S. Sánchez-Pedreño and J. Grasman 26 (2002) 1029

Blast furnace

Numerical simulation of solids flow in a blast furnace, S.J. Zhang, A.B. Yu, P. Zulli, B. Wright and P. Austin 26 (2002) 141

Boundary element method

The Riemann complex boundary element method for the solutions of two-dimensional elliptic equations, D.L. Young, T.J. Chang and T.I. Eldho 26 (2002) 893

Boundary elements

Multi-domain mass conservative dual reciprocity method for the solution of the non-Newtonian Stokes equations, W.F. Florez and H. Power 26 (2002) 397

Bubble break-up

Predicting gas–liquid flow in a mechanically stirred tank, G.L. Lane, M.P. Schwarz and G.M. Evans 26 (2002) 223

Bubble rise

Numerical modelling of free surface flows in metallurgical vessels, P. Liovic, M. Rudman and J.-L. Liow 26 (2002) 113

Bubble-dispersion model

Fluid flow and gas–liquid mass transfer in gas-injected vessels, S. Taniguchi, S. Kawaguchi and A. Kikuchi 26 (2002) 249

Bubbly liquid

On the theory and numerical simulation of acoustic and heat modes interaction in a liquid with bubbles: acoustic quasi-solitons, S. Kshevetskii and A. Perelomova 26 (2002) 41

Camassa–Holm equation

Peakons of the Camassa–Holm equation, Z. Liu and T. Qian 26 (2002) 473

Cellular automata

Modelling using stochastic, finite state cellular automata: rule inference from continuum models, V. Guinot 26 (2002) 701

CFD

Predicting gas–liquid flow in a mechanically stirred tank, G.L. Lane, M.P. Schwarz and G.M. Evans 26 (2002) 223

Recent applications of CFD modelling in the power generation and combustion industries, P.J. Stopford 26 (2002) 351

CFD modelling

CFD modelling of thickeners at Worsley Alumina Pty Ltd, R. Kahane, T. Nguyen and M.P. Schwarz 26 (2002) 281

CFD simulation of precession in sudden pipe expansion flows with low inlet swirl, B. Guo, T.A.G. Langrish and D.F. Fletcher 26 (2002) 1

Tube erosion modelling in a fluidised bed, D. Achim, A.K. Easton, M.P. Schwarz, P.J. Witt and A. Zakhari 26 (2002) 191

CFD modelling, Eulerian–Lagrangian

Prediction of dust loss from conveyors using computational fluid dynamics modelling, P.J. Witt, K.G. Carey and T.V. Nguyen 26 (2002) 297

CFD simulation

CFD, a design tool for a new hot metal desulfurization technology, S. Pirker, P. Gittler, H. Pirker and J. Lehner 26 (2002) 337

Closed loop

Optimum control of a paper making machine headbox, R. Whalley and M. Ebrahimi 26 (2002) 665

Coal

Recent applications of CFD modelling in the power generation and combustion industries, P.J. Stopford 26 (2002) 351

Coalescence

Predicting gas–liquid flow in a mechanically stirred tank, G.L. Lane, M.P. Schwarz and G.M. Evans 26 (2002) 223

Combinatorial optimization

Use of the BATA algorithm and MIS to solve the mail carrier problem, C.D. Tarantilis, C.T. Kiranoudis and N.C. Markatos 26 (2002) 481

Combustion

Recent applications of CFD modelling in the power generation and combustion industries, P.J. Stopford 26 (2002) 351

Computational fluid dynamics

Erosion prediction in slurry pipeline tee-junctions, G.J. Brown 26 (2002) 155

Concentration profile

Prediction of concentration and particle size distribution in the flow of multi-sized particulate slurry through rectangular duct, D.R. Kaushal, V. Seshadri and S.N. Singh 26 (2002) 941

Conduction

An analytical solution for conduction-dominated unidirectional solidification of binary mixtures, S. Chakraborty and P. Dutta 26 (2002) 545

Conjugate gradient method

Function estimation with Alifanov's iterative regularization method in linear and non-linear heat conduction problems, J. Wang, A.J. Silva Neto, F.D. Moura Neto and J. Su 26 (2002) 1093

Continuous casting of steel

The use of artificial intelligence technique for the optimisation of process parameters used in the continuous casting of steel, C.A. Santos, J.A. Spim Jr., M.C.F. Ierardi and A. Garcia 26 (2002) 1077

Control

Dynamic modelling of flexible robotic mechanisms and adaptive robust control of trajectory computer simulation—Part I, J. Knani 26 (2002) 1113

Maximum entropy analysis to the N policy M/G/1 queueing system with a removable server, K.-H. Wang, S.-L. Chuang and W.-L. Pearn 26 (2002) 1151

Control of solidification

The use of artificial intelligence technique for the optimisation of process parameters used in the continuous casting of steel, C.A. Santos, J.A. Spim Jr., M.C.F. Ierardi and A. Garcia 26 (2002) 1077

Control volume method

Solidification modelling with a control volume method on domains subjected to visco-plastic deformation, K. Davey and N.J. Rodriguez 26 (2002) 421

Convection

A numerical and experimental investigation of the modeling of microwave heating for liquid layers using a rectangular wave guide (effects of natural convection and di-electric properties), P. Ratanadecho, K. Aoki and M. Akahori 26 (2002) 449

Conveyor

Prediction of dust loss from conveyors using computational fluid dynamics modelling, P.J. Witt, K.G. Carey and T.V. Nguyen 26 (2002) 297

Coupled KdV system

On the theory and numerical simulation of acoustic and heat modes interaction in a liquid with bubbles: acoustic quasi-solitons, S. Kshevetskii and A. Perelomova 26 (2002) 41

Decentralized control

A decentralized volume variations observer for open channels, C. Seatzu and G. Usai 26 (2002) 975

Predictive control method for decentralized operation of irrigation canals, M. Gómez, J. Rodellar and J.A. Mantecón 26 (2002) 1039

Deformation

Solidification modelling with a control volume method on domains subjected to visco-plastic deformation, K. Davey and N.J. Rodriguez 26 (2002) 421

Deposition

Modelling the suspended matter dynamics in a marine environment using a three dimensional σ coordinate model: application to the eastern Irish Sea, R. Periáñez 26 (2002) 583

Descent type algorithm

A robust descent type algorithm for geophysical inversion through adaptive regularization, I.G. Roy 26 (2002) 619

Deterioration

A continuous review inventory model, with deteriorating items, time-varying demand, linear replenishment cost, partially time-varying backlogging, K. Skouri and S. Papachristos 26 (2002) 603

Deterministic

Dynamic modelling of flexible robotic mechanisms and adaptive robust control of trajectory computer simulation—Part I, J. Knani 26 (2002) 1113

Dielectric properties

A numerical and experimental investigation of the modeling of microwave heating for liquid layers using a rectangular wave guide (effects of natural convection and dielectric properties), P. Ratanadecho, K. Aoki and M. Akahori 26 (2002) 449

Differential quadrature element method

A derivation and solution of dynamic equilibrium equations of shear undeformable composite anisotropic beams using the DQEM, C.-N. Chen 26 (2002) 833

Diffusion

Modelling the diffusion of lead into drinking water, D. Van Der Leer, N.P. Weatherill, R.J. Sharp and C.R. Hayes 26 (2002) 681

Dislocation layers

Hexagonal piezoelectric half-space containing a crack, G.E. Tupholme 26 (2002) 653

Drinking water

Modelling the diffusion of lead into drinking water, D. Van Der Leer, N.P. Weatherill, R.J. Sharp and C.R. Hayes 26 (2002) 681

Dual reciprocity

Multi-domain mass conservative dual reciprocity method for the solution of the non-Newtonian Stokes equations, W.F. Florez and H. Power 26 (2002) 397

Dust loss

Prediction of dust loss from conveyors using computational fluid dynamics modelling, P.J. Witt, K.G. Carey and T.V. Nguyen 26 (2002) 297

Ecological modelling

Modelling using stochastic, finite state cellular automata: rule inference from continuum models, V. Guinot 26 (2002) 701

Eddy-cell model

Fluid flow and gas–liquid mass transfer in gas-injected vessels, S. Taniguchi, S. Kawaguchi and A. Kikuchi 26 (2002) 249

Entrainment

Numerical modelling of free surface flows in metallurgical vessels, P. Liovic, M. Rudman and J.-L. Liow 26 (2002) 113

Erosion

Erosion prediction in slurry pipeline tee-junctions, G.J. Brown 26 (2002) 155

Modelling the suspended matter dynamics in a marine environment using a three dimensional σ coordinate model: application to the eastern Irish Sea, R. Periáñez 26 (2002) 583

Tube erosion modelling in a fluidised bed, D. Achim, A.K. Easton, M.P. Schwarz, P.J. Witt and A. Zakhari 26 (2002) 191

Eulerian–Eulerian

Tube erosion modelling in a fluidised bed, D. Achim, A.K. Easton, M.P. Schwarz, P.J. Witt and A. Zakhari 26 (2002) 191

Eulerian–Eulerian multi-phase model

Erosion prediction in slurry pipeline tee-junctions, G.J. Brown 26 (2002) 155

Feedback

The M/G/1 retrial queue with feedback and starting failures, B. Krishna Kumar, S. Pavai Madheswari and A. Vijayakumar 26 (2002) 1057

Finite element methods

Numerical solution of RLW equation using linear finite elements within Galerkin's method, A. Dogan 26 (2002) 771

Finite elements

Alternative Kelvin viscoelastic procedure for finite elements, A.D. Mesquita and H.B. Coda 26 (2002) 501

Solidification modelling with a control volume method on domains subjected to visco-plastic deformation, K. Davey and N.J. Rodriguez 26 (2002) 421

Finite-difference method

A repeated-dose model of percutaneous drug absorption, K. Kubota, F. Dey, S.A. Matar and E.H. Twizell 26 (2002) 529

Finite volume methods

Finite volume methods applied to the computational modelling of welding phenomena, G.A. Taylor, M. Hughes, N. Strusevich and K. Pericleous 26 (2002) 309

Flexible

Dynamic modelling of flexible robotic mechanisms and adaptive robust control of trajectory computer simulation—Part I, J. Knani 26 (2002) 1113

Flow

CFD modelling of thickeners at Worsley Alumina Pty Ltd, R. Kahane, T. Nguyen and M.P. Schwarz 26 (2002) 281

Flow–structure interaction

A sigma coordinate 3D k–ε model for turbulent free surface flow over a submerged structure, C.W. Li and B. Zhu 26 (2002) 1139

Fluid dynamics

Finite volume methods applied to the computational modelling of welding phenomena, G.A. Taylor, M. Hughes, N. Strusevich and K. Pericleous 26 (2002) 309

Fluid flow problems

The Riemann complex boundary element method for the solutions of two-dimensional elliptic equations, D.L. Young, T.J. Chang and T.I. Eldho 26 (2002) 893

Fluid flows

Developments in modelling of gas injection and slag foaming, D.C. Guo, L. Gu and G.A. Irons 26 (2002) 263

Fluidised bed

Tube erosion modelling in a fluidised bed, D. Achim, A.K. Easton, M.P. Schwarz, P.J. Witt and A. Zakhari 26 (2002) 191

Free surface flow

A sigma coordinate 3D k–ε model for turbulent free surface flow over a submerged structure, C.W. Li and B. Zhu 26 (2002) 1139

Function estimation

Function estimation with Alifanov's iterative regularization method in linear and non-linear heat conduction problems, J. Wang, A.J. Silva Neto, F.D. Moura Neto and J. Su 26 (2002) 1093

Galerkin method

Numerical solution of RLW equation using linear finite elements within Galerkin's method, A. Dogan 26 (2002) 771

Gas dispersion

Predicting gas–liquid flow in a mechanically stirred tank, G.L. Lane, M.P. Schwarz and G.M. Evans 26 (2002) 223

Gas injection

Fluid flow and gas–liquid mass transfer in gas-injected vessels, S. Taniguchi, S. Kawaguchi and A. Kikuchi 26 (2002) 249

Numerical modelling of free surface flows in metallurgical vessels, P. Liovic, M. Rudman and J.-L. Liow 26 (2002) 113

Gas–solid flow

Prediction of dust loss from conveyors using computational fluid dynamics modelling, P.J. Witt, K.G. Carey and T.V. Nguyen 26 (2002) 297

Gas transport

A conceptual model for the description of oxidation and transport processes in sulphidic waste rock dumps, G. Pantelis, A.I.M. Ritchie and Y.A. Stepanyants 26 (2002) 751

Geophysical inversion

A robust descent type algorithm for geophysical inversion through adaptive regularization, I.G. Roy 26 (2002) 619

Ground water remediation

A model for flow induced by steady air venting and air sparging, C.C. Mei, Z. Cheng and C.-O. Ng 26 (2002) 727

Hamiltonian system

Peakons of the Camassa–Holm equation, Z. Liu and T. Qian 26 (2002) 473

Headbox

Optimum control of a paper making machine headbox, R. Whalley and M. Ebrahimi 26 (2002) 665

Heat exchanger

Stochastic modeling of heat exchanger response to data uncertainties, R.C. Prasad, Karmeshu and K.K. Bharadwaj 26 (2002) 715

Heat transfer

Analysis of performance of an iron-bath reactor using computational fluid dynamics, V. Panjkovic, J. Truelove and O. Ostrovski 26 (2002) 203

Heat transport

A conceptual model for the description of oxidation and transport processes in sulphidic waste rock dumps, G. Pantelis, A.I.M. Ritchie and Y.A. Stepanyants 26 (2002) 751

Heuristic search techniques

The use of artificial intelligence technique for the optimisation of process parameters used in the continuous casting of steel, C.A. Santos, J.A. Spim Jr., M.C.F. Ierardi and A. Garcia 26 (2002) 1077

High throughput

CFD modelling of thickeners at Worsley Alumina Pty Ltd, R. Kahane, T. Nguyen and M.P. Schwarz 26 (2002) 281

H_2 norm

A decentralized volume variations observer for open channels, C. Seatzu and G. Usai 26 (2002) 975

Hot metal desulfurization

CFD, a design tool for a new hot metal desulfurization technology, S. Pirker, P. Gittler, H. Pirker and J. Lehner 26 (2002) 337

Industrial CFD

Analysis of performance of an iron-bath reactor using computational fluid dynamics, V. Panjkovic, J. Truelove and O. Ostrovski 26 (2002) 203

Intrinsic harmonic balancing

Complex formulation of the IHB technique and its comparison with other methods, W. Zhang and K. Huseyin 26 (2002) 53

Inventory

A continuous review inventory model, with deteriorating items, time-varying demand, linear replenishment cost, partially time-varying backlogging, K. Skouri and S. Papachristos 26 (2002) 603

Inverse heat conduction problems

Function estimation with Alifanov's iterative regularization method in linear and non-linear heat conduction problems, J. Wang, A.J. Silva Neto, F.D. Moura Neto and J. Su 26 (2002) 1093

Iron-bath reactors

Analysis of performance of an iron-bath reactor using computational fluid dynamics, V. Panjkovic, J. Truelove and O. Ostrovski 26 (2002) 203

Irrigation canals

Predictive control method for decentralized operation of irrigation canals, M. Gómez, J. Rodellar and J.A. Mantecón 26 (2002) 1039

Isotropic beam

A derivation and solution of dynamic equilibrium equations of shear undeformable composite anisotropic beams using the DQEM, C.-N. Chen 26 (2002) 833

JEBAR

A circulation model for the European ocean margin, A. Santos, H. Martins, H. Coelho, P. Leitão and R. Neves 26 (2002) 563

KdV–MKdV equation

On the theory and numerical simulation of acoustic and heat modes interaction in a liquid with bubbles: acoustic quasi-solitons, S. Kshevetskii and A. Perelomova 26 (2002) 41

Kinetics

Recent applications of CFD modelling in the power generation and combustion industries, P.J. Stopford 26 (2002) 351

k–ε model

Fluid flow and gas–liquid mass transfer in gas-injected vessels, S. Taniguchi, S. Kawaguchi and A. Kikuchi 26 (2002) 249

Knowledge Base

Modeling complex multi-component reactive-transport systems: towards a simulation environment based on the concept of a Knowledge Base, P. Regnier, J.P. O'Kane, C.I. Steefel and J.P. Vanderborght 26 (2002) 913

Lagrange's method

Maximum entropy analysis to the N policy M/G/1 queueing system with a removable server, K.-H. Wang, S.-L. Chuang and W.-L. Pearn 26 (2002) 1151

Lagrangian

Solidification modelling with a control volume method on domains subjected to visco-plastic deformation, K. Davey and N.J. Rodriguez 26 (2002) 421

Landweber iteration

Function estimation with Alifanov's iterative regularization method in linear and non-linear heat conduction problems, J. Wang, A.J. Silva Neto, F.D. Moura Neto and J. Su 26 (2002) 1093

Lax–Wendroff scheme

On the theory and numerical simulation of acoustic and heat modes interaction in a liquid with bubbles: acoustic quasi-solitons, S. Kshevetskii and A. Perelomova 26 (2002) 41

Lead

Modelling the diffusion of lead into drinking water, D. Van Der Leer, N.P. Weatherill, R.J. Sharp and C.R. Hayes 26 (2002) 681

Linear theory

Thermoelasticity without energy dissipation of materials with microstructure, R. Quintanilla 26 (2002) 1125

Liquid layer

A numerical and experimental investigation of the modeling of microwave heating for liquid layers using a rectangular wave guide (effects of natural convection and dielectric properties), P. Ratanadecho, K. Aoki and M. Akahori 26 (2002) 449

Logconcave demand

A continuous review inventory model, with deteriorating items, time-varying demand, linear replenishment cost, partially time-varying backlogging, K. Skouri and S. Papachristos 26 (2002) 603

Management information systems

Use of the BATA algorithm and MIS to solve the mail carrier problem, C.D. Tarantilis, C.T. Kiranoudis and N.C. Markatos 26 (2002) 481

Mass balance

A conceptual model for the description of oxidation and transport processes in sulphidic waste rock dumps, G. Pantelis, A.I.M. Ritchie and Y.A. Stepanyants 26 (2002) 751

Mass conservative interpolation

Multi-domain mass conservative dual reciprocity method for the solution of the non-Newtonian Stokes equations, W.F. Florez and H. Power 26 (2002) 397

Mass transfer

Fluid flow and gas–liquid mass transfer in gas-injected vessels, S. Taniguchi, S. Kawaguchi and A. Kikuchi 26 (2002) 249

Mass transport

Modeling complex multi-component reactive-transport systems: towards a simulation environment based on the concept of a Knowledge Base, P. Regnier, J.P. O'Kane, C.I. Steefel and J.P. Vanderborght 26 (2002) 913

Mathematical modelling

Developments in modelling of gas injection and slag foaming, D.C. Guo, L. Gu and G.A. Irons 26 (2002) 263
Study on the modeling of timed-token protocol, Z. Lu, L. Wang and D. Yao 26 (2002) 797

Maximum entropy

Maximum entropy analysis to the N policy M/G/1 queueing system with a removable server, K.-H. Wang, S.-L. Chuang and W.-L. Pearn 26 (2002) 1151

Mesh refining

Static reanalysis of discrete elastic structures with reflexive inverse, M. Cheikh and A. Loredo 26 (2002) 877

Meta-heuristic algorithms

Use of the BATA algorithm and MIS to solve the mail carrier problem, C.D. Tarantilis, C.T. Kiranoudis and N.C. Markatos 26 (2002) 481

Metallurgical reactions

CFD, a design tool for a new hot metal desulfurization technology, S. Pirker, P. Gittler, H. Pirker and J. Lehner 26 (2002) 337

M/G/1 queue

A P_{λ}^{M}-policy for an $M/G/1$ queueing system, J. Bae, S. Kim and E.Y. Lee 26 (2002) 929
Maximum entropy analysis to the N policy M/G/1 queueing system with a removable server, K.-H. Wang, S.-L. Chuang and W.-L. Pearn 26 (2002) 1151

Microwave heating

A numerical and experimental investigation of the modeling of microwave heating for liquid layers using a rectangular wave guide (effects of natural convection and dielectric properties), P. Ratanadecho, K. Aoki and M. Akahori 26 (2002) 449
Thermal runaway in microwave heating: a mathematical analysis, C.A. Vriezinga, S. Sánchez-Pedreño and J. Grasman 26 (2002) 1029

Mixed conditions

Static reanalysis of discrete elastic structures with reflexive inverse, M. Cheikh and A. Loredo 26 (2002) 877

Mixing

Predicting gas–liquid flow in a mechanically stirred tank, G.L. Lane, M.P. Schwarz and G.M. Evans 26 (2002) 223

Model validation

Analysis of performance of an iron-bath reactor using computational fluid dynamics, V. Panjkovic, J. Truelove and O. Ostrovski 26 (2002) 203

Monoclinic beam

A derivation and solution of dynamic equilibrium equations of shear undeformable composite anisotropic beams using the DQEM, C.-N. Chen 26 (2002) 833

Monte Carlo

Modelling the diffusion of lead into drinking water, D. Van Der Leer, N.P. Weatherill, R.J. Sharp and C.R. Hayes 26 (2002) 681

Multi-sized particulate slurry

Prediction of concentration and particle size distribution in the flow of multi-sized particulate slurry through rectangular duct, D.R. Kaushal, V. Seshadri and S.N. Singh 26 (2002) 941

Multiphase

Tube erosion modelling in a fluidised bed, D. Achim, A.K. Easton, M.P. Schwarz, P.J. Witt and A. Zakhari 26 (2002) 191

Mushy region

An analytical solution for conduction-dominated unidirectional solidification of binary mixtures, S. Chakraborty and P. Dutta 26 (2002) 545

65N12

A mixed finite element method for the arch problem, A. Benlemlih and M. El Alami El Ferricha 26 (2002) 17

NO_x

Recent applications of CFD modelling in the power generation and combustion industries, P.J. Stopford 26 (2002) 351

Nonlinear oscillations

Complex formulation of the IHB technique and its comparison with other methods, W. Zhang and K. Huseyin 26 (2002) 53

Non-Newtonian fluids

Multi-domain mass conservative dual reciprocity method for the solution of the non-Newtonian Stokes equations, W.F. Florez and H. Power 26 (2002) 397

Non-singular perturbations

On the theory and numerical simulation of acoustic and heat modes interaction in a liquid with bubbles: acoustic quasi-solitons, S. Kshevetskii and A. Perelomova 26 (2002) 41

Normal forms

Complex formulation of the IHB technique and its comparison with other methods, W. Zhang and K. Huseyin 26 (2002) 53

Numerical diffusion

A circulation model for the European ocean margin, A. Santos, H. Martins, H. Coelho, P. Leitão and R. Neves 26 (2002) 563

Numerical models

Modeling complex multi-component reactive-transport systems: towards a simulation environment based on the concept of a Knowledge Base, P. Regnier, J.P. O'Kane, C.I. Steefel and J.P. Vanderborght 26 (2002) 913

A sigma coordinate 3D k–ε model for turbulent free surface flow over a submerged structure, C.W. Li and B. Zhu 26 (2002) 1139

Numerical simulation

Numerical simulation of solids flow in a blast furnace, S.J. Zhang, A.B. Yu, P. Zulli, B. Wright and P. Austin 26 (2002) 141

Open channel

A decentralized volume variations observer for open channels, C. Seatzu and G. Usai 26 (2002) 975

Open-channel flow

Predictive control method for decentralized operation of irrigation canals, M. Gómez, J. Rodellar and J.A. Mantecón 26 (2002) 1039

Optimization

Optimum design of "road-friendly" vehicle suspension systems subjected to rough pavement surfaces, L. Sun 26 (2002) 635

Optimum

Optimum control of a paper making machine headbox, R. Whalley and M. Ebrahimi 26 (2002) 665

Ordinary differential equations

Modelling using stochastic, finite state cellular automata: rule inference from continuum models, V. Guinot 26 (2002) 701

Orthotropic beam

A derivation and solution of dynamic equilibrium equations of shear undeformable composite anisotropic beams using the DQEM, C.-N. Chen 26 (2002) 833

Oscillatory initial value problems

Explicit Runge–Kutta pairs appropriate for engineering applications, Ch. Tsitouras 26 (2002) 77

Pairs of embedded methods

Explicit Runge–Kutta pairs appropriate for engineering applications, Ch. Tsitouras 26 (2002) 77

Partial backlogging

A continuous review inventory model, with deteriorating items, time-varying demand, linear replenishment cost, partially time-varying backlogging, K. Skouri and S. Papachristos 26 (2002) 603

Partial differential equation

A repeated-dose model of percutaneous drug absorption, K. Kubota, F. Dey, S.A. Matar and E.H. Twizell 26 (2002) 529

Particle diffusivity

Prediction of concentration and particle size distribution in the flow of multi-sized particulate slurry through rectangular duct, D.R. Kaushal, V. Seshadri and S.N. Singh 26 (2002) 941

Particle size distribution

Prediction of concentration and particle size distribution in the flow of multi-sized particulate slurry through rectangular duct, D.R. Kaushal, V. Seshadri and S.N. Singh 26 (2002) 941

Peakon

Peakons of the Camassa–Holm equation, Z. Liu and T. Qian 26 (2002) 473

Percutaneous absorption

A repeated-dose model of percutaneous drug absorption, K. Kubota, F. Dey, S.A. Matar and E.H. Twizell 26 (2002) 529

Perturbations

Complex formulation of the IHB technique and its comparison with other methods, W. Zhang and K. Huseyin 26 (2002) 53

Pharmacokinetics

A repeated-dose model of percutaneous drug absorption, K. Kubota, F. Dey, S.A. Matar and E.H. Twizell 26 (2002) 529

Phase portrait bifurcation

Peakons of the Camassa–Holm equation, Z. Liu and T. Qian 26 (2002) 473

Phase-lag

Explicit Runge–Kutta pairs appropriate for engineering applications, Ch. Tsitouras 26 (2002) 77

Piezoelectric half-space

Hexagonal piezoelectric half-space containing a crack, G.E. Tupholme 26 (2002) 653

Plate deflection

Explicit Runge–Kutta pairs appropriate for engineering applications, Ch. Tsitouras 26 (2002) 77

Plates

Alternative Kelvin viscoelastic procedure for finite elements, A.D. Mesquita and H.B. Coda 26 (2002) 501

Plumbosolvency

Modelling the diffusion of lead into drinking water, D. Van Der Leer, N.P. Weatherill, R.J. Sharp and C.R. Hayes 26 (2002) 681

Post-combustion

Analysis of performance of an iron-bath reactor using computational fluid dynamics, V. Panjkovic, J. Truelove and O. Ostrovski 26 (2002) 203

Predictive control

Predictive control method for decentralized operation of irrigation canals, M. Gómez, J. Rodellar and J.A. Mantecón 26 (2002) 1039

Primary 60K25

The M/G/1 retrial queue with feedback and starting failures, B. Krishna Kumar, S. Pavai Madheswari and A. Vijayakumar 26 (2002) 1057

Projecting operators

On the theory and numerical simulation of acoustic and heat modes interaction in a liquid with bubbles: acoustic quasi-solitons, S. Kshevetskii and A. Perelomova 26 (2002) 41

P_{λ}^{M}-service policy

A P_{λ}^{M}-policy for an M/G/1 queueing system, J. Bae, S. Kim and E.Y. Lee 26 (2002) 929

Reactions (chemistry)

Modeling complex multi-component reactive-transport systems: towards a simulation environment based on the concept of a Knowledge Base, P. Regnier, J.P. O'Kane, C.I. Steefel and J.P. Vanderborght 26 (2002) 913

Reanalysis

Static reanalysis of discrete elastic structures with reflexive inverse, M. Cheikh and A. Loredo 26 (2002) 877

Rectangular duct

Prediction of concentration and particle size distribution in the flow of multi-sized particulate slurry through rectangular duct, D.R. Kaushal, V. Seshadri and S.N. Singh 26 (2002) 941

Rectangular wave guide

A numerical and experimental investigation of the modeling of microwave heating for liquid layers using a rectangular wave guide (effects of natural convection and dielectric properties), P. Ratanadecho, K. Aoki and M. Akahori 26 (2002) 449

Reduced cost

CFD modelling of thickeners at Worsley Alumina Pty Ltd, R. Kahane, T. Nguyen and M.P. Schwarz 26 (2002) 281

Reflexive inverse

Static reanalysis of discrete elastic structures with reflexive inverse, M. Cheikh and A. Loredo 26 (2002) 877

Regularization

A robust descent type algorithm for geophysical inversion through adaptive regularization, I.G. Roy 26 (2002) 619

Regulation

Optimum control of a paper making machine headbox, R. Whalley and M. Ebrahimi 26 (2002) 665

Relaxation oscillations

Thermal runaway in microwave heating: a mathematical analysis, C.A. Vriezinga, S. Sánchez-Pedreño and J. Grasman 26 (2002) 1029

Repeated dose

A repeated-dose model of percutaneous drug absorption, K. Kubota, F. Dey, S.A. Matar and E.H. Twizell 26 (2002) 529

Replenishment cost

A continuous review inventory model, with deteriorating items, time-varying demand, linear replenishment cost, partially time-varying backlogging, K. Skouri and S. Papachristos 26 (2002) 603

Retrial queues

The M/G/1 retrial queue with feedback and starting failures, B. Krishna Kumar, S. Pavai Madheswari and A. Vijayakumar 26 (2002) 1057

Ride quality

Optimum design of "road-friendly" vehicle suspension systems subjected to rough pavement surfaces, L. Sun 26 (2002) 635

Riemann complex functions

The Riemann complex boundary element method for the solutions of two-dimensional elliptic equations, D.L. Young, T.J. Chang and T.I. Eldho 26 (2002) 893

RLW equation

Numerical solution of RLW equation using linear finite elements within Galerkin's method, A. Dogan 26 (2002) 771

Robot manipulator

Dynamic modelling of flexible robotic mechanisms and adaptive robust control of trajectory computer simulation—Part I, J. Knani 26 (2002) 1113

Robust

Dynamic modelling of flexible robotic mechanisms and adaptive robust control of trajectory computer simulation—Part I, J. Knani 26 (2002) 1113

Runge–Kutta

Explicit Runge–Kutta pairs appropriate for engineering applications, Ch. Tsitouras 26 (2002) 77

Sediments

Modelling the suspended matter dynamics in a marine environment using a three dimensional σ coordinate model: application to the eastern Irish Sea, R. Periáñez 26 (2002) 583

Shells

Alternative Kelvin viscoelastic procedure for finite elements, A.D. Mesquita and H.B. Coda 26 (2002) 501

Sigma coordinates

A sigma coordinate 3D k–ε model for turbulent free surface flow over a submerged structure, C.W. Li and B. Zhu 26 (2002) 1139

Sigma model

A circulation model for the European ocean margin, A. Santos, H. Martins, H. Coelho, P. Leitão and R. Neves 26 (2002) 563

Slag

Developments in modelling of gas injection and slag foaming, D.C. Guo, L. Gu and G.A. Irons 26 (2002) 263

Slag regeneration

CFD, a design tool for a new hot metal desulfurization technology, S. Pirker, P. Gittler, H. Pirker and J. Lehner 26 (2002) 337

Slope current

A circulation model for the European ocean margin, A. Santos, H. Martins, H. Coelho, P. Leitão and R. Neves 26 (2002) 563

Slurry

Erosion prediction in slurry pipeline tee-junctions, G.J. Brown 26 (2002) 155

Solid consumption

Numerical simulation of solids flow in a blast furnace, S.J. Zhang, A.B. Yu, P. Zulli, B. Wright and P. Austin 26 (2002) 141

Solid mechanics

Finite volume methods applied to the computational modelling of welding phenomena, G.A. Taylor, M. Hughes, N. Strusevich and K. Pericleous 26 (2002) 309

Solidification

Solidification modelling with a control volume method on domains subjected to visco-plastic deformation, K. Davey and N.J. Rodriguez 26 (2002) 421

Solids flow

Numerical simulation of solids flow in a blast furnace, S.J. Zhang, A.B. Yu, P. Zulli, B. Wright and P. Austin 26 (2002) 141

Solitons

On the theory and numerical simulation of acoustic and heat modes interaction in a liquid with bubbles: acoustic quasi-solitons, S. Kshevetskii and A. Perelomova 26 (2002) 41

Splash

Numerical modelling of free surface flows in metallurgical vessels, P. Liovic, M. Rudman and J.-L. Liow 26 (2002) 113

Starting failures

The M/G/1 retrial queue with feedback and starting failures, B. Krishna Kumar, S. Pavai Madheswari and A. Vijayakumar 26 (2002) 1057

Stationary distribution

A P_x^M-policy for an $M/G/1$ queueing system, J. Bae, S. Kim and E.Y. Lee 26 (2002) 929

Steady state

The M/G/1 retrial queue with feedback and starting failures, B. Krishna Kumar, S. Pavai Madheswari and A. Vijayakumar 26 (2002) 1057

Steelmaking

Developments in modelling of gas injection and slag foaming, D.C. Guo, L. Gu and G.A. Irons 26 (2002) 263

Stiffness reanalysis

Static reanalysis of discrete elastic structures with reflexive inverse, M. Cheikh and A. Loredo 26 (2002) 877

Stirred vessel

Predicting gas–liquid flow in a mechanically stirred tank, G.L. Lane, M.P. Schwarz and G.M. Evans 26 (2002) 223

Stochastic decomposition

The M/G/1 retrial queue with feedback and starting failures, B. Krishna Kumar, S. Pavai Madheswari and A. Vijayakumar 26 (2002) 1057

Stochastic modeling

Stochastic modeling of heat exchanger response to data uncertainties, R.C. Prasad, Karmeshu and K.K. Bharadwaj 26 (2002) 715

Structural damping

A derivation and solution of dynamic equilibrium equations of shear undeformable composite anisotropic beams using the DQEM, C.-N. Chen 26 (2002) 833

Subsurface flow

A model for flow induced by steady air venting and air sparging, C.C. Mei, Z. Cheng and C.-O. Ng 26 (2002) 727

Sudden expansion

CFD simulation of precession in sudden pipe expansion flows with low inlet swirl, B. Guo, T.A.G. Langrish and D.F. Fletcher 26 (2002) 1

Sulphide oxidation

A conceptual model for the description of oxidation and transport processes in sulphidic waste rock dumps, G. Pantelis, A.I.M. Ritchie and Y.A. Stepanyants 26 (2002) 751

Suspension system

Optimum design of "road-friendly" vehicle suspension systems subjected to rough pavement surfaces, L. Sun 26 (2002) 635

Swirl flow

CFD simulation of precession in sudden pipe expansion flows with low inlet swirl, B. Guo, T.A.G. Langrish and D.F. Fletcher 26 (2002) 1

Tee-junction

Erosion prediction in slurry pipeline tee-junctions, G.J. Brown 26 (2002) 155

Thermal runaway

Thermal runaway in microwave heating: a mathematical analysis, C.A. Vriezinga, S. Sánchez-Pedreño and J. Grasman 26 (2002) 1029

Thermoelasticity without energy dissipation

Thermoelasticity without energy dissipation of materials with microstructure, R. Quintanilla 26 (2002) 1125

Thickeners

CFD modelling of thickeners at Worsley Alumina Pty Ltd, R. Kahane, T. Nguyen and M.P. Schwarz 26 (2002) 281

Tides

Modelling the suspended matter dynamics in a marine environment using a three dimensional σ coordinate model: application to the eastern Irish Sea, R. Periáñez 26 (2002) 583

Time-limited service

Study on the modeling of timed-token protocol, Z. Lu, L. Wang and D. Yao 26 (2002) 797

Timed-token protocol (TTP)

Study on the modeling of timed-token protocol, Z. Lu, L. Wang and D. Yao 26 (2002) 797

Timolol

A repeated-dose model of percutaneous drug absorption, K. Kubota, F. Dey, S.A. Matar and E.H. Twizell 26 (2002) 529

Tire load

Optimum design of "road-friendly" vehicle suspension systems subjected to rough pavement surfaces, L. Sun 26 (2002) 635

Tracers

CFD modelling of thickeners at Worsley Alumina Pty Ltd, R. Kahane, T. Nguyen and M.P. Schwarz 26 (2002) 281

Tundish

An experimental and numerical CFD study of turbulence in a tundish container, P. Gardin, M. Brunet, J.F. Domgin and K. Pericleous 26 (2002) 323

Turbulence modelling

An experimental and numerical CFD study of turbulence in a tundish container, P. Gardin, M. Brunet, J.F. Domgin and K. Pericleous 26 (2002) 323

Two-point distribution

Stochastic modeling of heat exchanger response to data uncertainties, R.C. Prasad, Karmeshu and K.K. Bharadwaj 26 (2002) 715

Unidirectional solidification

An analytical solution for conduction-dominated unidirectional solidification of binary mixtures, S. Chakraborty and P. Dutta 26 (2002) 545

Unsteady simulation

CFD simulation of precession in sudden pipe expansion flows with low inlet swirl, B. Guo, T.A.G. Langrish and D.F. Fletcher 26 (2002) 1

Vacation

The M/G/1 retrial queue with feedback and starting failures, B. Krishna Kumar, S. Pavai Madheswari and A. Vijayakumar 26 (2002) 1057

Validation

An experimental and numerical CFD study of turbulence in a tundish container, P. Gardin, M. Brunet, J.F. Domgin and K. Pericleous 26 (2002) 323

Vapourisation

A conceptual model for the description of oxidation and transport processes in sulphidic waste rock dumps, G. Pantelis, A.I.M. Ritchie and Y.A. Stepanyants 26 (2002) 751

Vehicle model

Optimum design of "road-friendly" vehicle suspension systems subjected to rough pavement surfaces, L. Sun 26 (2002) 635

Vehicle routing modelling

Use of the BATA algorithm and MIS to solve the mail carrier problem, C.D. Tarantilis, C.T. Kiranoudis and N.C. Markatos 26 (2002) 481

Vibratory systems

Explicit Runge–Kutta pairs appropriate for engineering applications, Ch. Tsitouras 26 (2002) 77

Viscoelasticity

Alternative Kelvin viscoelastic procedure for finite elements, A.D. Mesquita and H.B. Coda 26 (2002) 501

Volume tracking

Numerical modelling of free surface flows in metallurgical vessels, P. Liovic, M. Rudman and J.-L. Liow 26 (2002) 113

Water flux

A conceptual model for the description of oxidation and transport processes in sulphidic waste rock dumps, G. Pantelis, A.I.M. Ritchie and Y.A. Stepanyants 26 (2002) 751

Water model

An experimental and numerical CFD study of turbulence in a tundish container, P. Gardin, M. Brunet, J.F. Domgin and K. Pericleous 26 (2002) 323

Water quality

Modelling the suspended matter dynamics in a marine environment using a three dimensional σ coordinate model: application to the eastern Irish Sea, R. Periáñez 26 (2002) 583

Wave equation

Explicit Runge–Kutta pairs appropriate for engineering applications, Ch. Tsitouras 26 (2002) 77

Welding phenomena

Finite volume methods applied to the computational modelling of welding phenomena, G.A. Taylor, M. Hughes, N. Strusevich and K. Pericleous 26 (2002) 309

Wind waves

Modelling the suspended matter dynamics in a marine environment using a three dimensional σ coordinate model: application to the eastern Irish Sea, R. Periáñez 26 (2002) 583

Zone

Modelling the diffusion of lead into drinking water, D. Van Der Leer, N.P. Weatherill, R.J. Sharp and C.R. Hayes 26 (2002) 681